

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040656.D
 Acq On : 5 Sep 2023 21:01
 Operator : SY/MD
 Sample : 04261-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
 Supervised By :Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:07:55 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.185	49	880340	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2284690	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2014794	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1635081	10.204	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.713	85	24495	0.129	ppbv	99
3) Chlorodifluoromethane	2.661	51	11755m	0.081	ppbv	
4) Chloromethane	2.803	50	17028	0.302	ppbv	95
9) Propene	2.690	41	11900	0.266	ppbv	85
11) Trichlorofluoromethane	3.549	101	10017	0.065	ppbv #	71
13) Ethanol	3.234	45	119031	9.523	ppbv	89
15) Acetone	3.459	43	456783	4.242	ppbv	99
20) Methylene Chloride	3.922	84	911638	17.325	ppbv	98
26) Hexane	5.205	57	516949	5.283	ppbv #	40
29) Chloroform	5.269	83	28260	0.182	ppbv	99
34) 2-Butanone	4.790	43	42697	0.371	ppbv	100
53) Toluene	9.221	91	20482m	0.106	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

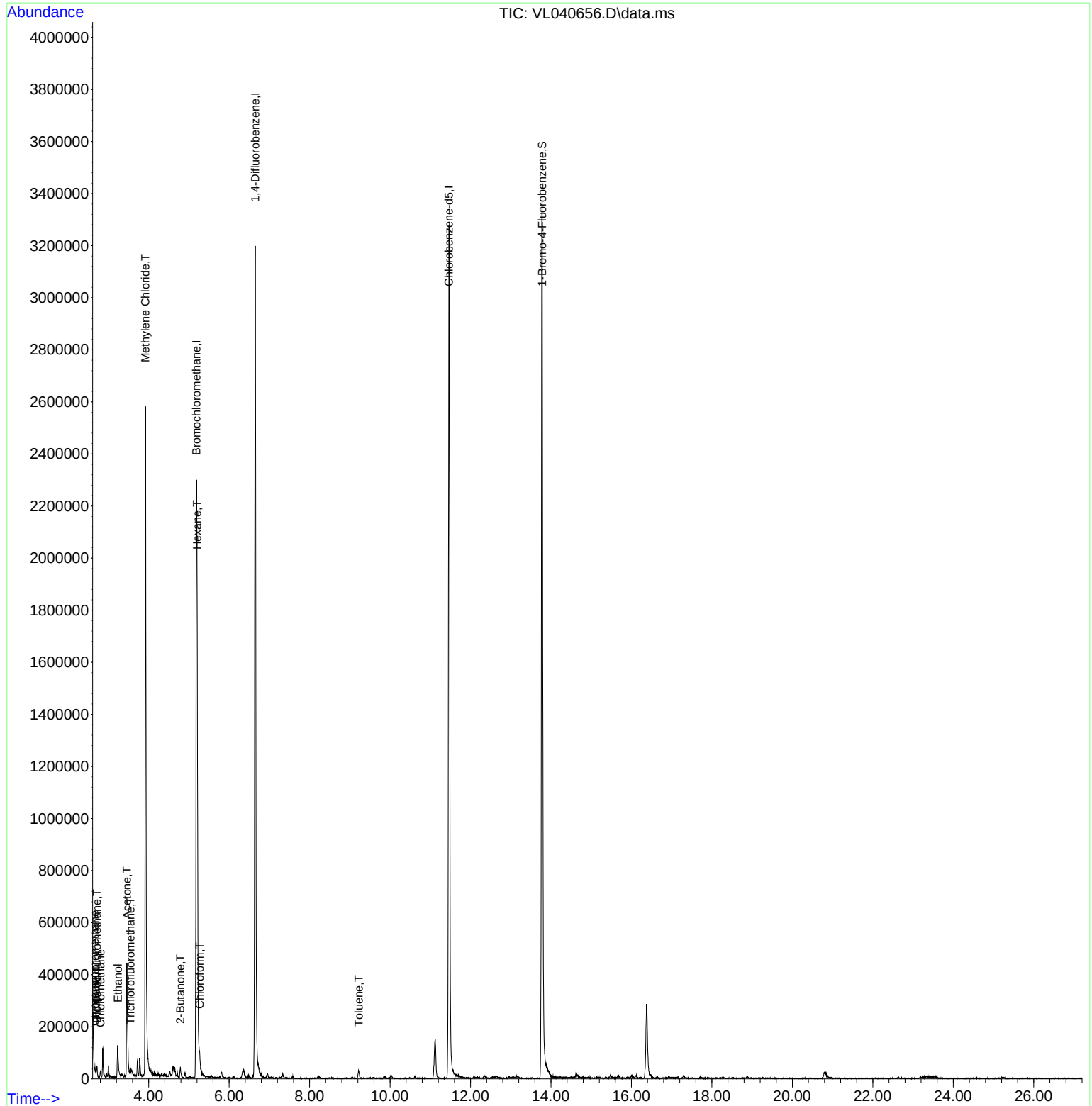
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040656.D
Acq On : 5 Sep 2023 21:01
Operator : SY/MD
Sample : 04261-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

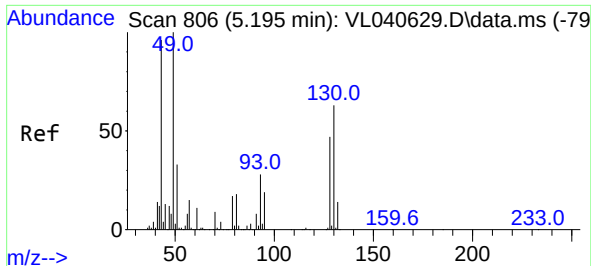
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

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Supervised By : Mahesh Dadoda 09/06/2023

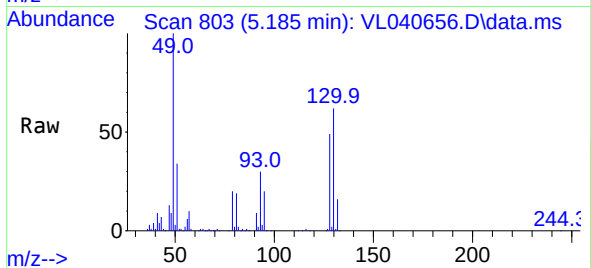
Quant Time: Sep 06 02:07:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

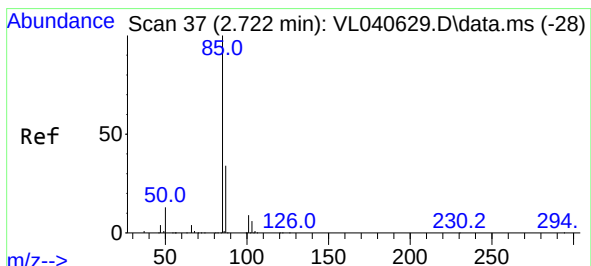
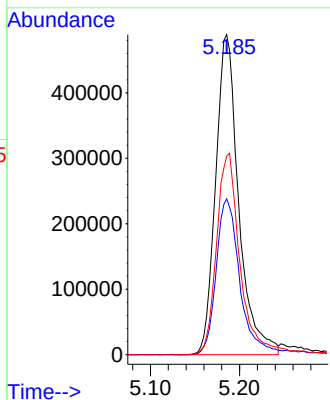
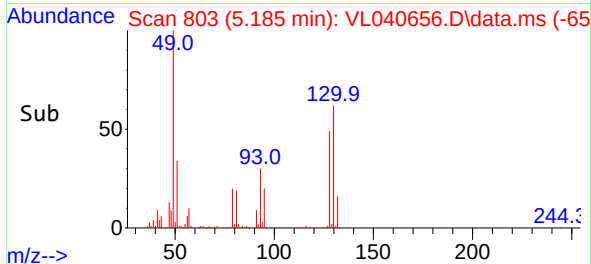
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



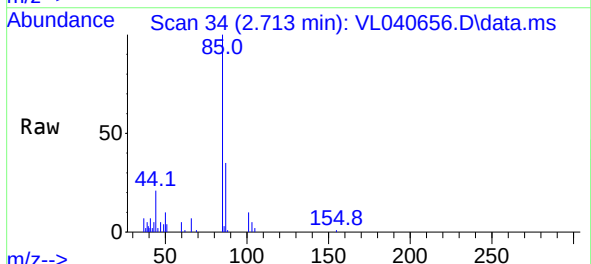
Tgt Ion: 49 Resp: 880340
Ion Ratio Lower Upper
49 100
128 51.4 24.9 74.7
130 66.1 32.2 96.6

Manual Integrations
APPROVED

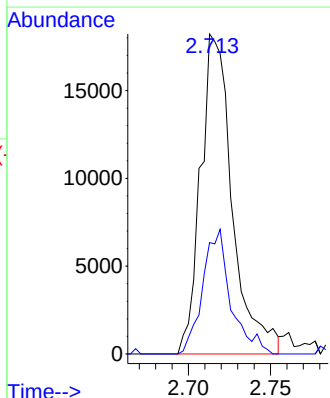
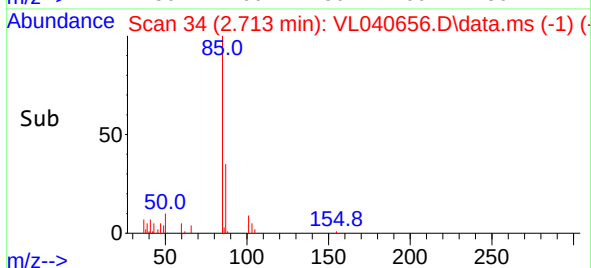
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

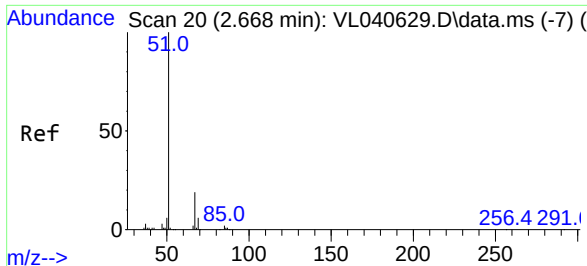


#2
Dichlorodifluoromethane
Concen: 0.129 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.010 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01



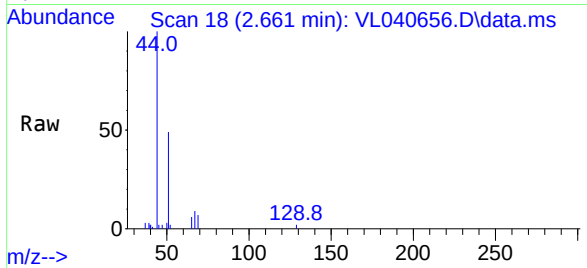
Tgt Ion: 85 Resp: 24495
Ion Ratio Lower Upper
85 100
87 34.8 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.081 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

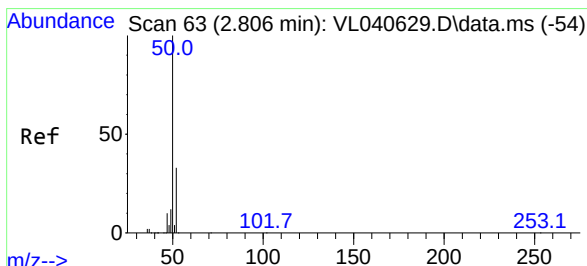
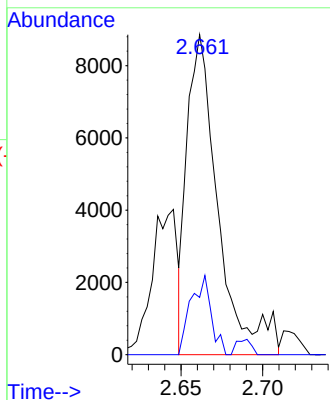
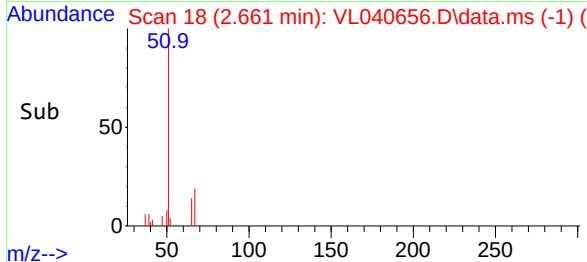
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



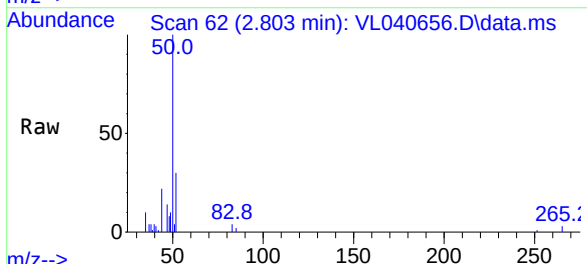
Tgt Ion: 51 Resp: 1175
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.6

Manual Integrations
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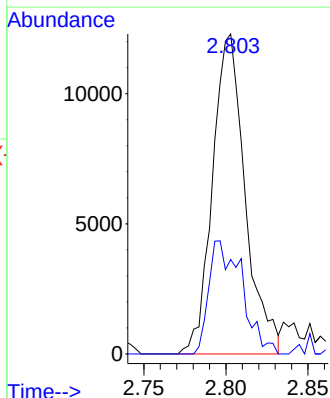
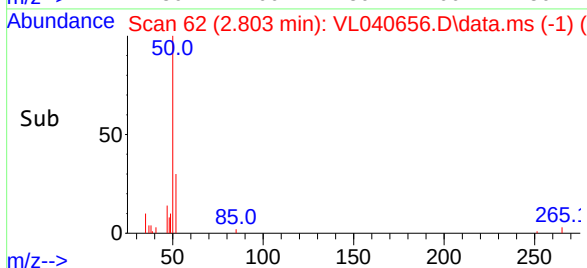
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



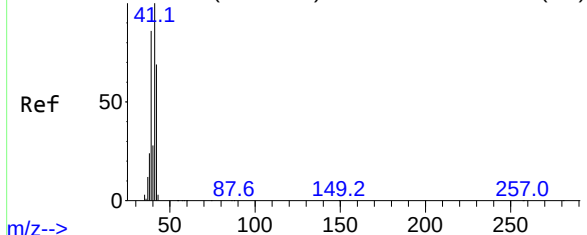
#4
Chloromethane
Concen: 0.302 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01



Tgt Ion: 50 Resp: 17028
Ion Ratio Lower Upper
50 100
52 30.1 26.2 39.2



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.266 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040656.D

Acq: 5 Sep 2023 21:01

Instrument :

MSVOA_L

ClientSampleId :

OA1DL

Tgt Ion: 41 Resp: 11900

Ion Ratio Lower Upper

41 100

42 58.6 56.5 84.7

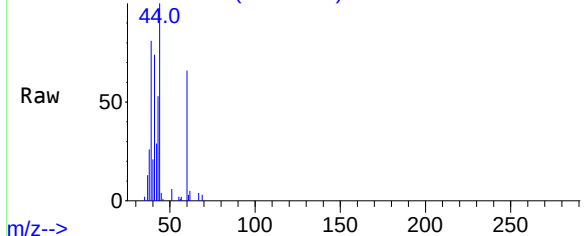
Manual Integrations

APPROVED

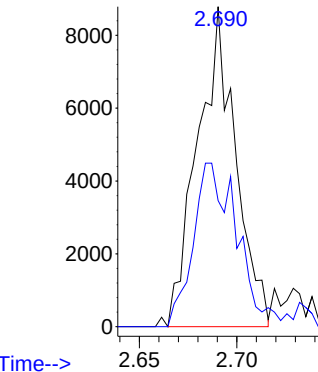
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

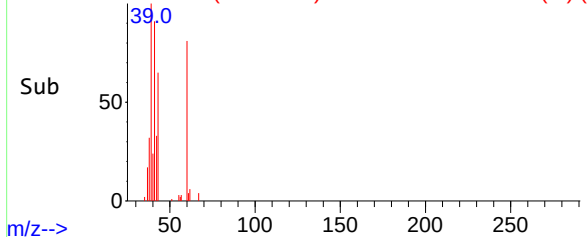
Abundance Scan 27 (2.690 min): VL040656.D\data.ms



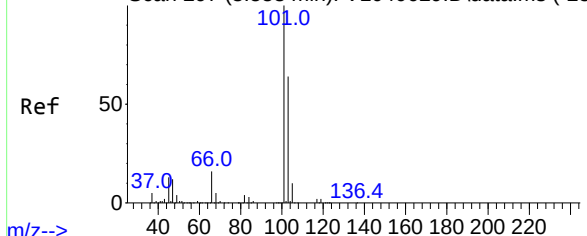
Abundance



Abundance Scan 27 (2.690 min): VL040656.D\data.ms (-1) (-



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28



#11

Trichlorofluoromethane

Concen: 0.065 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.010 min

Lab File: VL040656.D

Acq: 5 Sep 2023 21:01

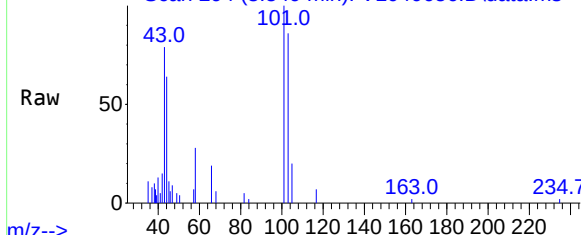
Tgt Ion:101 Resp: 10017

Ion Ratio Lower Upper

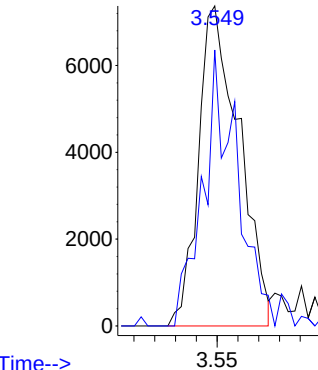
101 100

103 86.3 51.1 76.7#

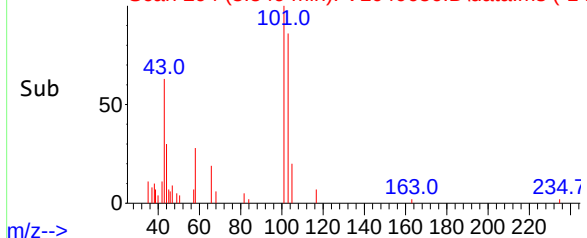
Abundance Scan 294 (3.549 min): VL040656.D\data.ms

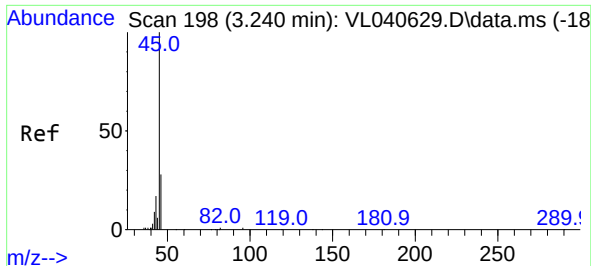


Abundance



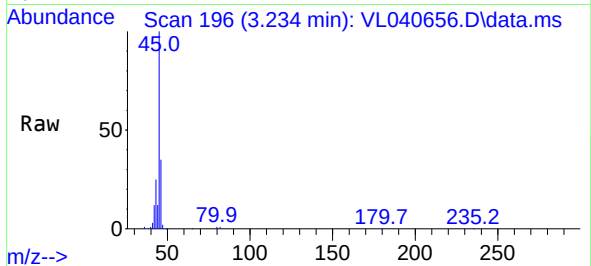
Abundance Scan 294 (3.549 min): VL040656.D\data.ms (-14





#13
Ethanol
Concen: 9.523 ppbv
RT: 3.234 min Scan# 198
Delta R.T. -0.006 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

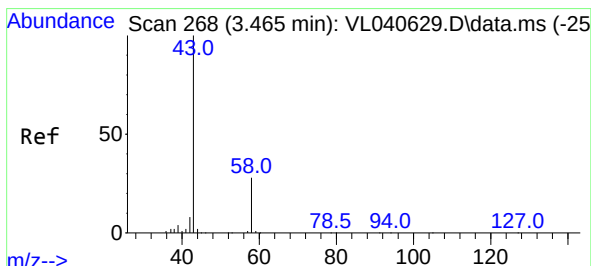
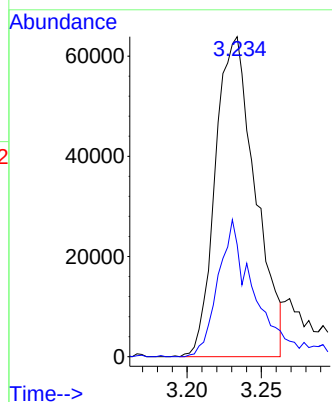
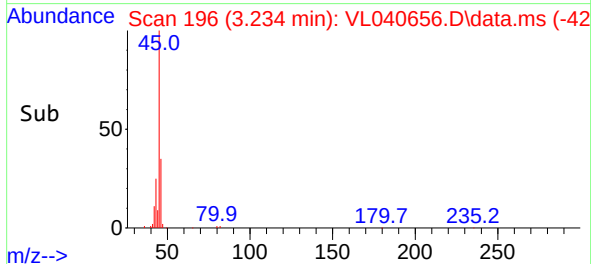
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



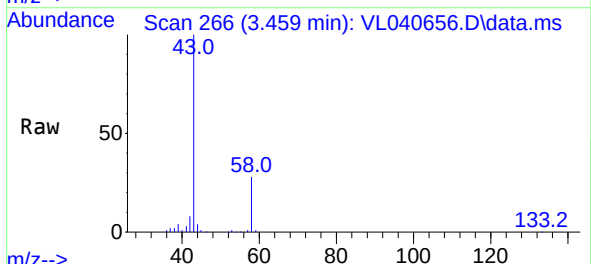
Tgt Ion: 45 Resp: 11903
Ion Ratio Lower Upper
45 100
46 41.8 14.2 56.6

Manual Integrations
APPROVED

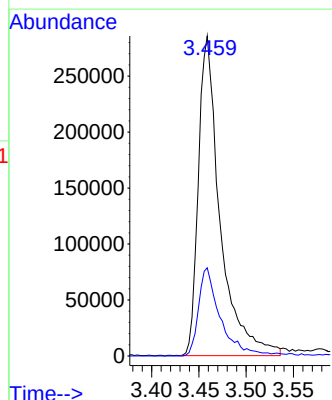
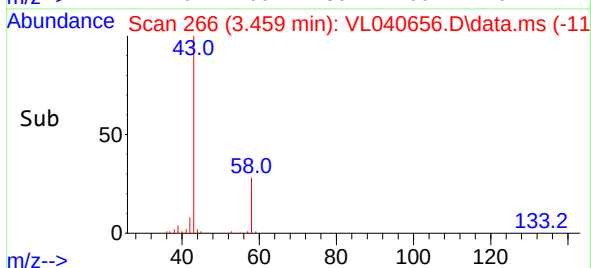
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

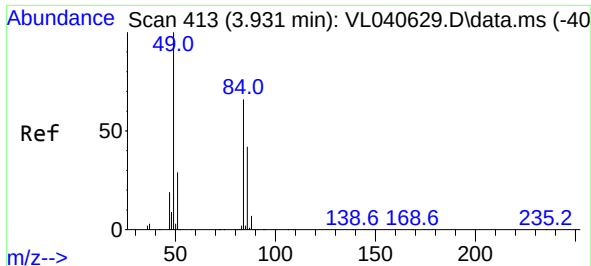


#15
Acetone
Concen: 4.242 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.006 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01



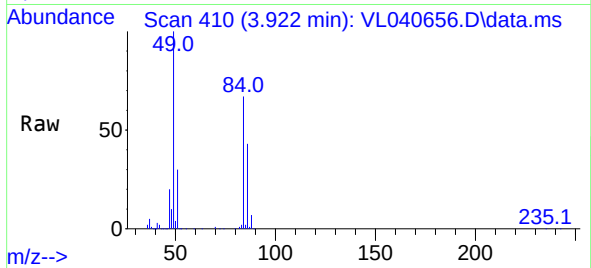
Tgt Ion: 43 Resp: 456783
Ion Ratio Lower Upper
43 100
58 28.8 22.4 33.6





#20
Methylene Chloride
Concen: 17.325 ppbv
RT: 3.922 min Scan# 413
Delta R.T. -0.010 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

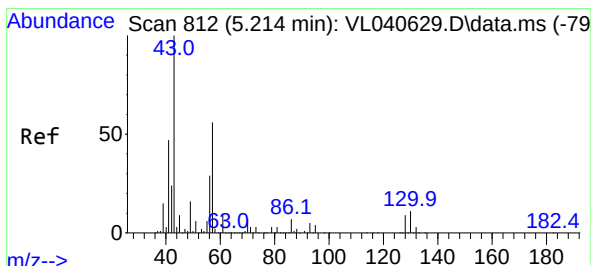
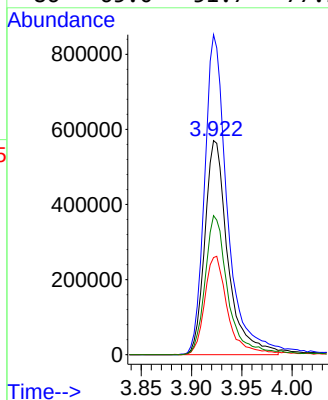
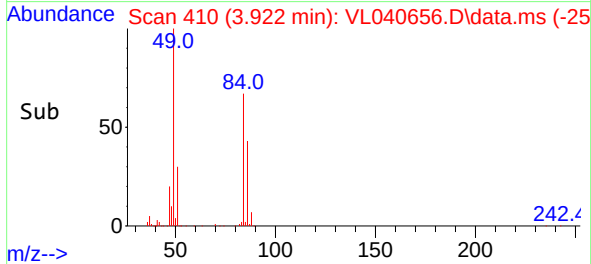
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



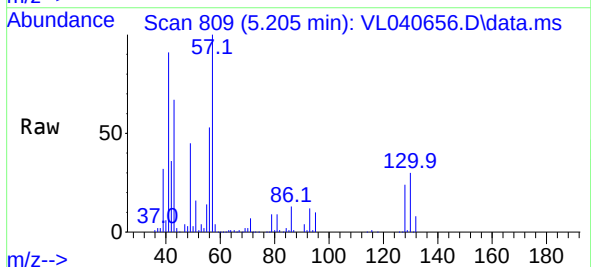
Tgt Ion: 84 Resp: 911638
Ion Ratio Lower Upper
84 100
49 149.5 122.1 183.1
51 45.3 35.4 53.2
86 65.0 51.7 77.5

Manual Integrations
APPROVED

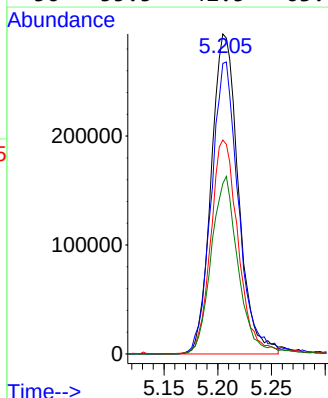
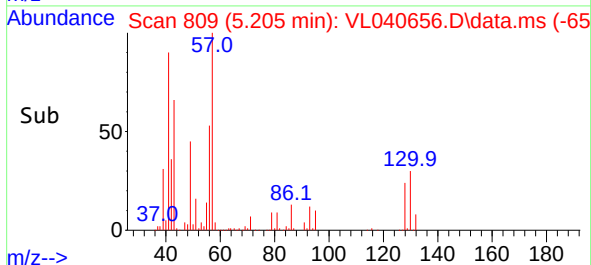
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

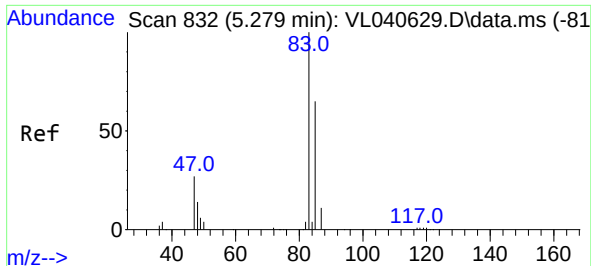


#26
Hexane
Concen: 5.283 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.010 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01



Tgt Ion: 57 Resp: 516949
Ion Ratio Lower Upper
57 100
41 92.8 69.3 103.9
43 68.8 177.9 266.9#
56 55.5 42.5 63.7





#29

Chloroform

Concen: 0.182 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL040656.D

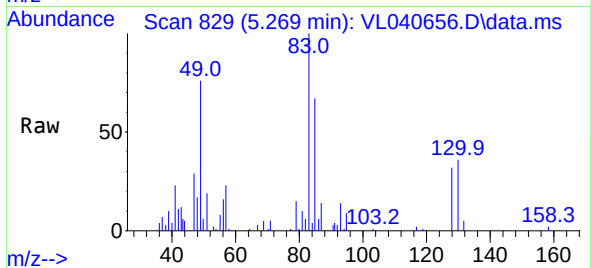
Acq: 5 Sep 2023 21:01

Instrument :

MSVOA_L

ClientSampleId :

OA1DL



Tgt Ion: 83 Resp: 28260

Ion Ratio Lower Upper

83 100

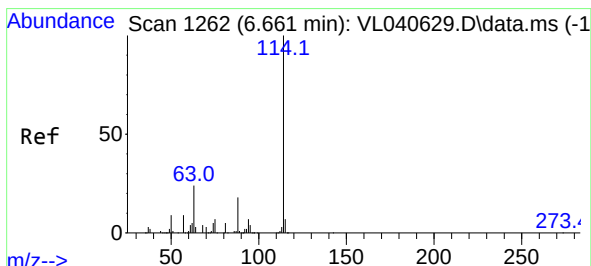
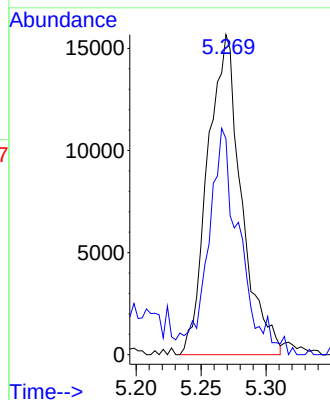
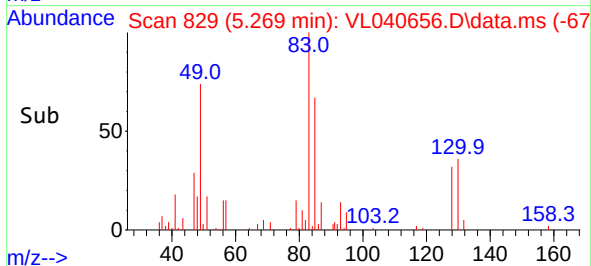
85 64.1 52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.013 min

Lab File: VL040656.D

Acq: 5 Sep 2023 21:01

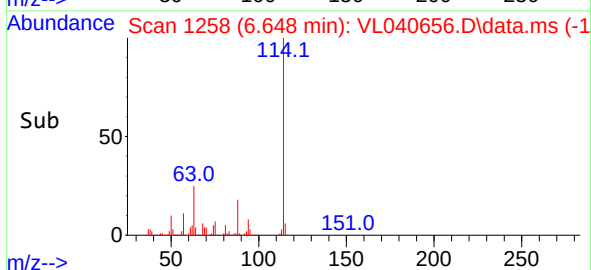
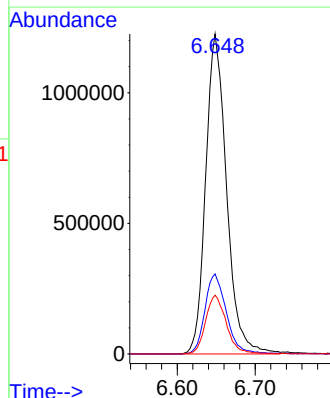
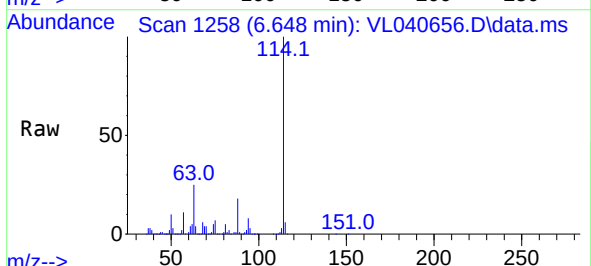
Tgt Ion:114 Resp: 2284690

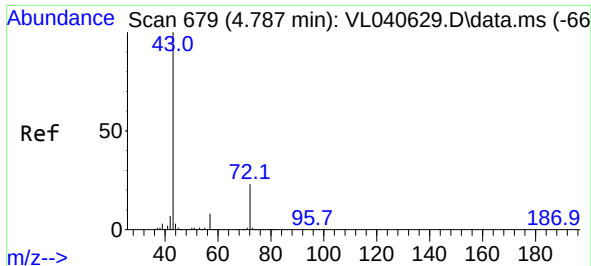
Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

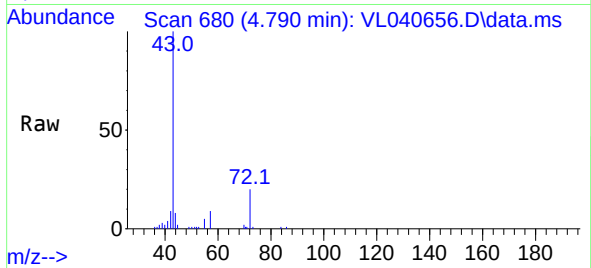
88 18.4 14.1 21.1





#34
2-Butanone
Concen: 0.371 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

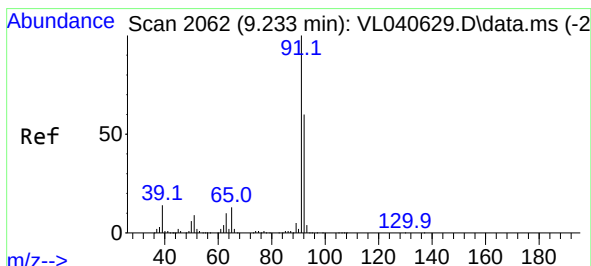
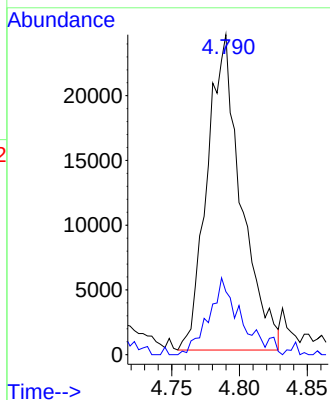
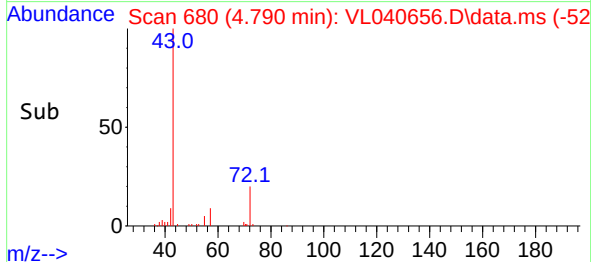
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
72 24.0 19.2 28.8

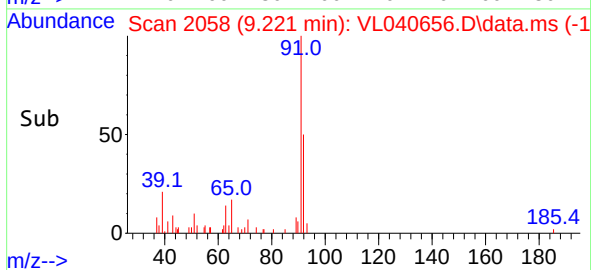
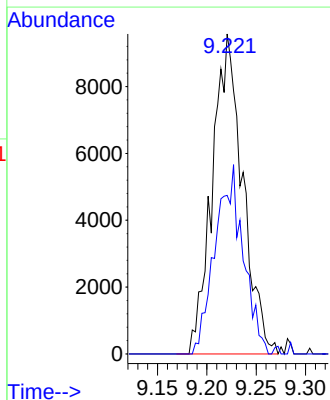
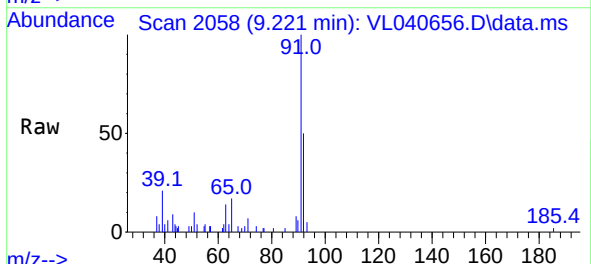
Manual Integrations
APPROVED

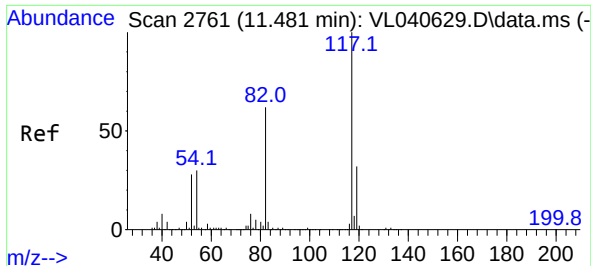
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#53
Toluene
Concen: 0.106 ppbv m
RT: 9.221 min Scan# 2058
Delta R.T. -0.013 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

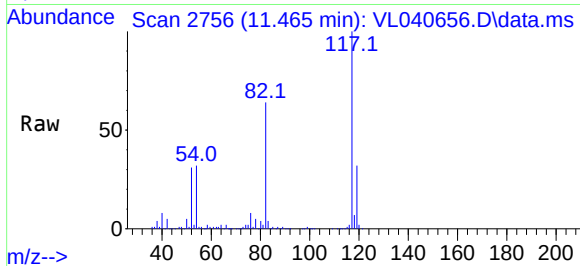
Tgt Ion: 91 Resp: 20482
Ion Ratio Lower Upper
91 100
92 54.8 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01

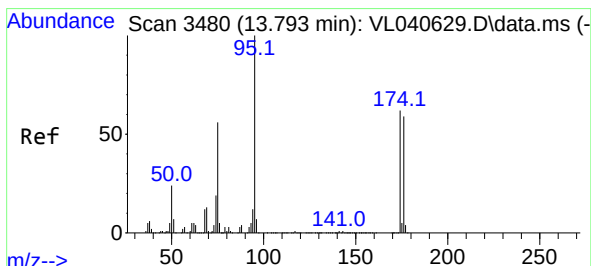
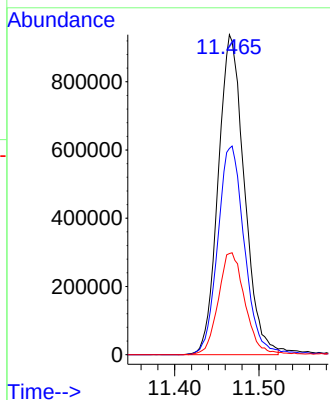
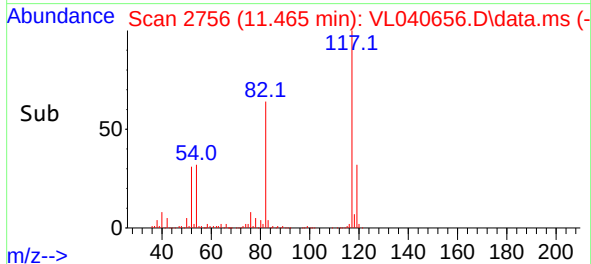
Instrument :
MSVOA_L
ClientSampleId :
OA1DL



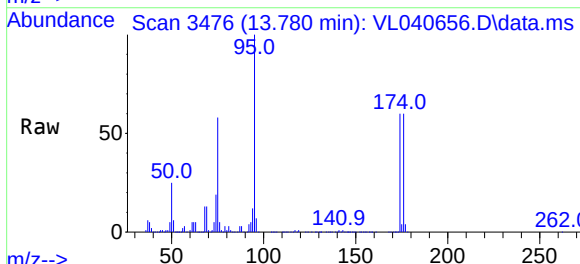
Tgt Ion: 117 Resp: 2014794
Ion Ratio Lower Upper
117 100
82 67.6 49.5 74.3
119 33.0 24.5 36.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.204 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040656.D
Acq: 5 Sep 2023 21:01



Tgt Ion: 95 Resp: 1635081
Ion Ratio Lower Upper
95 100
174 62.0 49.1 73.7
175 4.2 3.7 5.5

